



16th Annual Leading by Example Awards

Presented by the Commonwealth of Massachusetts

Leading by Example Awards annually recognize outstanding decarbonization, clean energy, and other environmental efforts among Commonwealth agencies, public colleges/universities, municipalities and individuals.



MUNICIPAL



The **City of Beverly**, designated a Green Community in 2011, has reduced emissions by approximately 33% since 2008. The City recently completed installation of 4.36MW of solar PV across multiple locations, and constructed a new police station heated and cooled by ground-source heat pumps. Through a residential and small business outreach campaign, Beverly has made significant strides in conducting energy assessments across the City, adding to its many years of energy conservation measures at municipal buildings, LED streetlight retrofits, and more.



The **Ashburnham Municipal Light Plant** has completed a number of projects to decarbonize operations and support renewable energy development in the region, including weatherization of its Operations Center to reduce heat use by about 5%, installation of air-source heat pumps to decarbonize its heating system, installation of EV chargers for fleet and public use, and installation of a 4MW solar PV system and a 3MW/5MWh battery to support clean energy and reduce costs for the town.

STATE ENTITIES

Cape Cod Community College has reduced its overall greenhouse gas emissions by 67% over a 2004 baseline thanks to significant work in improving efficiency in both its buildings and fleet. The College was an early adopter of solar PV, with a 25.7kW system installed at the LEED Gold Lorusso Technology Building in 2006. Since then, over 665kW has been installed on campus, with a 635kW canopy to be installed in 2023. In collaboration with DCAMM, the College is currently constructing a zero-net energy science building and working towards the transition from electric-resistance heat to heat pumps at all buildings where appropriate.



The MassDOT Highway Division has demonstrated leadership across the building, energy, and transportation sectors, installing 5MW of solar PV across the Commonwealth since 2013, constructing a net-zero energy administration building, purchasing four battery-electric vehicles, installing over 80 EV charging ports for fleet and public use, investing in active transportation infrastructure to support walking and biking, developing wildlife passages and pollinator habitats at public rights-of-way and state highways to support Commonwealth conservation efforts, and more.



The Department of Developmental Services, in collaboration with DCAMM, has reduced its overall greenhouse gas emissions by 82%, energy use intensity by 25%, and oil use by 98% over a 2004 baseline and is actively working to improve efficiency and advance decarbonization efforts across its portfolio of group homes and its fleet of 500 vehicles. DDS is currently planning a high-efficiency duplex featuring a tight envelope, air-source heat pumps, and solar PV, and is identifying opportunities to transition group homes to heat pumps. In addition, DDS has replaced five vehicles with electric utility vehicles and has ordered 11 additional zero-emission vehicles.



INDIVIDUALS



Shawn Luz, the first Sustainability Coordinator for the City of Framingham, has helped guide Framingham to be a municipal leader in climate action, overseeing a multitude of projects including the installation of solar PV systems at municipal sites, the designation of Framingham as a SolSmart community to help residents install solar PV and heat pumps, the receipt of a climate equity planning grant to ensure underserved communities' energy needs are being met, and the coordination of the City's partnership with Eversource to decarbonize municipal and residential facilities.



Elizabeth Minnis, Deputy Commissioner for Planning at DCAMM, joined DCAMM in 2000 and has since guided DCAMM's planning and construction, overseeing the Commonwealth's \$500 million per year capital program of strategic long-term planning and development for Higher Education, Public Safety, Judiciary, Human Services and other executive branch agencies and state offices. Liz has championed climate action, decarbonization, and general environmental progress, challenging pre-conceived ideas and pushing for new approaches to planning in the built environment.

2022 Leading by Example Awards

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Executive Office of Energy and Environmental Affairs

Department of Energy Resources

Division of Capital Asset Management & Maintenance

Tuesday, December 6th, 10:00 AM – 11:00 AM

Massachusetts State House

Welcome

Commissioner Woodcock, Department of Energy Resources

Speakers and Award Presentations

Secretary Card, Executive Office of Energy and Environmental Affairs

- *Opening Remarks*
- *Award Recipient: Department of Transportation*

Commissioner Gladstone, Division of Capital Asset Management and Maintenance

- *Award Recipient: Department of Developmental Services*
- *Award Recipient: Cape Cod Community College*

Commissioner Woodcock, Department of Energy Resources

- *Award Recipient: Ashburnham Municipal Light Plant*
- *Award Recipient: City of Beverly*

Joanne Bissetta, Director, Green Communities Division, DOER

- *Award Recipient: Shawn Luz, City of Framingham*

Eric Friedman, Director, Leading by Example Program, DOER

- *Award Recipient: Elizabeth Minnis, DCAMM*

Group photos will be taken following the awards program.